IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Besterman et al.

Divisional of Serial No.: 10/052,390

Filed: January 14, 2002

Entitled: Methods For Specifically Inhibiting Histone Deacetylase-4

Examiner:

Group Art Unit:

Attorney Docket No.: MET-004 (1002/005)

Assistant Commissioner for Patents
Box *IDS*
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants and their attorney are aware of the following publications and information listed on the attached PTO Form 1449, and in accordance with 37 C.F.R. §1.97 hereby submit these publications for the Examiner's consideration.

A copy of reference C4 is not provided herewith as this reference is a book and too voluminous to copy.

Applicants state under 37 C.F.R. §1.97(e)(1) that none of the publications were cited in an International Search Report issued in connection with a counterpart Patent Cooperation Treaty application.

This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents constitute "prior art" under United States law, Applicants reserve the right to present to the Office relevant facts and law regarding the appropriate status of such documents.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits and is therefore submitted as both timely and proper. Therefore, no fees are believed to be due.

Respectfully submitted,

Date: 6/10/02

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Subt. Form PTO-1449	Docket Number	Application Number
INFORMATION DISCLOSURE IN AN APPLICATION (Us several sheets if necessary)	MET-004	10/052,390
	Applicant Besterman et al.	
	Filing Date 01/14/02	Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	IDENTIFIER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	US 5,366,878	11/22/94	Pederson			
	A2	US 5,635,377	06/03/97	Pederson			
	A3	US 5,652,355	07/29/97	Metelev			
	A4	US 5,652,356	07/29/97	Agrawal			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	IDENTIFIER	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	IDENTIFIER	
	C1	Yoshida et al. (1987), " Effects of Trichostatins on Differentiation of Murine Erythroleukemia Cells," 47 *Cancer Res.* 3688-3691
	C2	Csordas (1990), "On the Biological Role of Histone Acetylation," 286 *Biochem. J.* 23-38
	C3	Yoshida et al. (1990), "Potent and Specific Inhibition of Mammalian Histone Deacetylase Both *In Vivo* and *In Vitro* by Trichostatin A," 265 *J. Biol. Chem.* 17174-17179
X	C4	Remington's Pharmaceutical Sciences, 18th Edition, ed. A. Gennaro, Mack Publishing Co., Easton, PA, 1990
	C5	Pon (1993), "Solid-Phase Supports for Oligonucleotide Synthesis,"20 *Meth. Molec. Biol.* 465-496
	C6	Furukawa et al. (1996), "Isolation and Mapping of a Human Gene (RPD3L1) That Is Homologous to *RPD3*, a Transcription Factor in *Saccharomyces Cerevisiae*," 73 *Cytogenet. Cell Genet.* 1-2:130-133
	C7	Taunton et al. (1996, "A Mammalian Histone Deacetylase Related to the Yeast Transcriptional Regulaor Rpd3p," 272 *Science* 408-411

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy with next communication to Applicant.

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EXAMINER INITIAL	IDENTIFIER	
	C8	Yang et al. (1996), "Transcriptional Repression by YY1 is Mediated by Interaction With A Mammalian Homolog of the Yeast Global Regulator RPD3," 93 *Proc. Natl. Acad. Sci.* USA 23:2845-12850
	C9	Yang et al. (1997), "Isolation and Characterization of cDNAs Corresponding to an Additional Member of the Human Histone Deacetylase Gene Family," 272 *J. Biol. Chem.* 44:28001-28007
	C10	Betz et al. (1998), "Human Histone Deacetylase 2, *HDAC2* (Human *RPD3*), Is Located To 6q21 by Radiation Hybrid Mapping," 52 *Genomics* 2:245-246
	C11	Dangond et al. (1998), "Differential Display Cloning of a Novel Human Histone Deacetylase (HDAC3) cDNA From PHA-Activated Immune Cells," 242 *Biochem. Biophys. Res. Commun.* 3:648-652
	C12	Grozinger et al. (1999), "Three Proteins Define A Class of Human Histone Deacetylases Related to Yeast Hda1p," 96 *Proc. Natl. Acad. Sci. USA* 4868-4873
	C13	Wang et al. (1999), "HDAC4, A Human Histone Deacetylase Related to Yeast HDA1, Is A Transcriptional Corepressor," 19 *Mol. Cell. Biol.* 7816-7827
	C14	Cress et al. (2000), "Histone Deacetylases, Transcriptional Control, and Cancer," 184 *J. Cell. Phys.* 1-16
	C15	Hu et al. (2000), "Cloning and Characterization of a Novel Human Class I Histone Deacetylase That Functions As A Transcription Repressor," 275 *J. Bio. Chem.* 15254-13264
	C16	Kao et al. (2000), "Isolation of a Novel Histone Deacetylase Reveals That Class I and Class II Deacetylases Promote SMRT-Mediated Repression," 14 *Gene & Development* 55-66
	C17	Magnaghi-Jaulin et al. (2000), "Histone Acetylation And The Control of the Cell Cycle," 4 *Prog. Cell Cycle Res.* 41-47
	C18	Marks et al. (2000), "Histone Deacetylase Inhibitors: Inducers of Differentiation of Apoptosis of Transformed Cells," 92 *J. National Cancer Inst.* 1210-1216
	C19	Ng et al. (2000), "Histone Deacetylases: Silencers for Hire," 25 *TIBS* March

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